

Title (en)
LOW-CONSTRUCTION TROLLEY FOR WIRE ROPE HOIST

Title (de)
WAGEN MIT NIEDRIGER BAUWEISE FÜR DRAHTSEILHEBEZUG

Title (fr)
CHARIOT À FAIBLE PROFIL POUR TREUIL À CÂBLE MÉTALLIQUE

Publication
EP 3097043 A1 20161130 (EN)

Application
EP 15740848 A 20150123

Priority
• FI 20145071 A 20140124
• FI 2015050040 W 20150123

Abstract (en)
[origin: WO2015110706A1] The invention relates to a low-construction hoist (1) for a wire rope hoist, arranged to move along a lower flange (3) of a horizontal beam or rail (2), whereby the trolley (1) comprises a trolley frame (4); bearing wheels (5), which are fixed to the trolley body and arranged to move on the upper surface of the lower flange (3) of the rail, a hoisting mechanism (1) comprising a rope drum (7) for a hoisting rope (8), a hoisting member (9) in cooperation with the hoisting rope for hoisting a load, and a hoisting motor (10) for driving the rope drum; whereby the rope drum is supported to a first side of the trolley frame so that the axle of the rope drum is parallel to the rail, and the hoisting member is arranged to move under the rail; whereby the hoisting rope (8) is led from the rope drum (7) to a fixing point (X; Z) in the trolley frame (4) through at least a rope pulley arrangement (12, 14) of the hoisting member (9), whereby the fixing point (X) of the hoisting rope (8) to the trolley frame (4) is located in the longitudinal direction of the trolley (1) outside the end of the rope drum (7), or outside the vertical plane which is transverse in relation to the rail or beam (2) and passing through the end of the rope drum.

IPC 8 full level
B66C 9/14 (2006.01); **B60M 1/28** (2006.01); **B61B 3/00** (2006.01); **B66C 11/06** (2006.01)

CPC (source: EP FI KR US)
B66C 9/10 (2013.01 - KR); **B66C 9/14** (2013.01 - FI); **B66C 11/06** (2013.01 - EP FI KR US); **B66C 11/16** (2013.01 - KR); **B66D 1/12** (2013.01 - US); **B66D 1/14** (2013.01 - US); **B66D 1/36** (2013.01 - US); **B66C 19/00** (2013.01 - US)

Cited by
CN108750982A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2015110706 A1 20150730; CN 105939955 A 20160914; CN 105939955 B 20180817; DK 3097043 T3 20191216; EP 3097043 A1 20161130; EP 3097043 A4 20171011; EP 3097043 B1 20190925; ES 2762484 T3 20200525; FI 126273 B 20160915; FI 20145071 A 20150725; HU E046965 T2 20200428; KR 102367811 B1 20220225; KR 20160113235 A 20160928; PL 3097043 T3 20200430; PT 3097043 T 20191219; US 10526175 B2 20200107; US 2017022032 A1 20170126

DOCDB simple family (application)
FI 2015050040 W 20150123; CN 201580005421 A 20150123; DK 15740848 T 20150123; EP 15740848 A 20150123; ES 15740848 T 20150123; FI 20145071 A 20140124; HU E15740848 A 20150123; KR 20167023238 A 20150123; PL 15740848 T 20150123; PT 15740848 T 20150123; US 201515113361 A 20150123